TEMPLE UNIVERSITY
Office of the Vice President for Research

Institutional Biosafety Committee
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TEMPLE UNIVERSITY
INSTITUTIONAL BIOSAFETY COMMITTEE
IBC Meeting Minutes- Online Meeting
September 16, 2025 12:00 pm

Members

X	Black, Dr. Mark- Community Member
X	Bradley, Carlos- Community Member
X	Culmer-Butler, Dr. Dorian- Animal Containment Expert
	Escalante, Dr. Ananias- Scientist
X	Forste, Dr. Dawn- Animal Containment Expert
X	Lupinski, Gregory- EHRS Executive Director
X	Mettus, Richard- Senior Health & Safety Specialist
	Mobo, Dr. Ben Hur Jr.- Occupational Health Administrator
X	Moore, Claudia- IACUC Asst. Director
X	Murray, Krista- IBC Assistant Director
X	Pultro, Mary- IBC Sr. Coordinator
X	Sariyer, Dr. Ilker- IBC Vice-Chair, Scientist
X	Sawaya, Dr. Bassel- Scientist
X	Sulistijo, Dr. Endah- University Biosafety Officer
X	Tsygankov, Dr. Alexander- IBC Chair, Scientist
X	Whelan, Dr. Kelly- Scientist
X	Wimmer, Dr. Mathieu- Scientist

X= Present

Quorum was met for this meeting.
All decisions were unanimous.

Guests
Baglia, Frank- Senior Health & Safety Specialist
Collyer, Eileen- Associate Health & Safety Specialist
Hao, Lanping- Associate Health & Safety Specialist
Khan, Sabina- Senior Health & Safety Specialist
Kidder, Abigail- IACUC Analyst
Slupianek, Dr. Artur- Senior Director of Research Regulatory Affairs

I. Announcements

Ms. Murray reminded the IBC members to complete the CITI IBC Membership training online.

II. Other Business

None

III. Protocols Reviewed

PI: Gan, Peiheng	**Reg:** 11303	**Activity:** Initial BRF	**NIH:** III-D-1, 3, 4; III-E-3	**BSL:** 2
Title: Functions of RNA Binding Proteins in Cardiovascular Disease				

Overview: Decipher how RBPMS regulates cardiomyocyte contraction through modulating RNA splicing. Elucidate how RBPMS interacts with other cardiac RNA binding proteins to regulate RNA splicing and cardiac function. Study the role of RBPMS as a modifier of doxorubicin-induced heart failure. Investigate the RNA binding proteome and posttranscriptional regulatory network changes in heart failure.
Discussion: The IBC reviewed the procedures, containment level, facilities to be used, lab member training, containment procedures and work practices. Training updates and signatures needed. Need information if mLLV is pseudotyped to infect human cells. Is the lentiviral vector 2nd or 3rd generation? Need information on transfer plasmids. Clarify what experiments will be done with the iPSC and derived cells. Clarify rooms in ECP and SOPs. 4i- not using disposable cages so remove information. Need EHRS biosafety inspection prior to initiation of work because this is a new lab.
Final Action: modifications required

PI: Bellizzi, Anna	**Reg.:** 11304	**Activity:** Initial BRF	**NIH:** III-D-1, 2, 3	**BSL:** 2+
Title: Role of APP-Related circRNAs Induced by HIV-1 Infection in Beta-Amyloid Formation				
Overview: Characterize the circ_0007556 and circ_0004381 expression in 2D human induced pluripotent stem cells (hiPSC)-derived microglia cultures and 3D human cerebral organoids (hCOs) models of HIV-infection. Determine the molecular mechanism of HIV-induced APP-related circRNAs and their role in amyloids formation.				
Discussion: The IBC reviewed the procedures, containment level, facilities to be used, lab member training, containment procedures and work practices. Need to clarify CRISPR system in iPSC. Section 3- list all the genes to be used. **NOTE**: Dr. Sariyer recused himself and left the meeting for discussion of this protocol as he is listed on the protocol.				
Final Action: modifications required				

PI: Bahmed, Karim	**Reg.:** 11262	**Activity:** Initial BRF	**NIH:** III-D-1, 2, 3; III-E-1	**BSL:** 2
Title: Lung Cell Injury				
Overview: Investigate the role of key regulatory genes involved in oxidative phosphorylation and energy sensing/signaling pathways in the repair and regeneration of lung alveolar epithelial damage. Overexpress and knockdown selected genes to study their role in the lung to identify genes that can be effective novel therapeutic targets to prevent lung injury induced by various factors.				
Discussion: The IBC reviewed the procedures, containment level, facilities to be used, lab member training, containment procedures and work practices. Clarify whether smoke exposure and CRISPR be used in vivo. Clarify experiments to be performed after the injury occurs. Training dates need to be updated and signatures completed. Complete Section 5 of the BRF. Clarify rooms to be used. Complete Section 4a and 4f. IACUC approval is needed for these procedures.				
Final Action: modifications required				

PI: Mohsin, Sadia	**Reg.:** 11292	**Activity:** Rewrite of 10678	**NIH:** III-D-1, 2, 3, 4; III-E-3	**BSL:** 2
Title: Paracrine Modulation of Cardiac Repair Processes by Cortical Bone Derived Stem Cells				
Overview: Determine unique corticol bone stem cell properties that are responsible for enhanced repair of the post MI myocardium. The molecular basis for enhanced CBSC proliferation, survival, paracrine secretion and immune modulation will be determined				
Discussion: The IBC reviewed the procedures, containment level, facilities to be used, lab member training, containment procedures and work practices. Clarify training dates. Submit the AAV summary. Clarify animal rooms. In 2h it states E. coli and miRNA are being used- clarify what will				

be done with them. Clarify serotypes of AAV- different serotypes are listed in different sections of the BRF. In 2i it states the T cells will be transduced by adenovirus- please correct or clarify.
Final Action: modifications required

PI: Abdulai-Saiku, Samira	**Reg.:** 11302	**Activity:** Initial BRF	**NIH:** III-D-1, 2, 3, 4; III-E-1, 3	**BSL:** 2
Title: X Chromosome and Aging				
Overview: Determining the mechanism underlying the role of X chromosome genes in mediating cognitive decline with aging. Looking at genes differentially expressed between maternal and paternal X-expressing brain cells.				
Discussion: The IBC reviewed the procedures, containment level, facilities to be used, lab member training, containment procedures and work practices. Need to clarify housing locations for BSL2 animal work. Clarify whether lab staff or animal care will perform cage changes. Clarify what is meant by replication- does this mean cell multiplication or testing of vector replication efficiency? Are AAV and LVV both used for knockdown and overexpression? Clarify. Once cells are sorted will they be transduced again with AAV or LVV? For in vivo work, are they using plasmids or viral particles and will they be injected? Add AAV to Section 5. Need EHRS biosafety inspection prior to initiation of work because this is a new lab.				
Final Action: modifications required				

PI: Potula, Raghava	**Reg.:** 11301	**Activity:** Rewrite of 10832	**NIH:** N/A	**BSL:** 2+
Title: The Impact of Drugs of Abuse and Infections on Disease Progression				
Overview: Continue research involving infected cells and tissue samples from previous experiments, primary human cells and cell lines infected with HIV, and tissue and blood from in vivo studies.				
Discussion: The IBC reviewed the procedures, containment level, facilities to be used, lab member training, containment procedures and work practices. Clarify whether current registration is just for storage of existing samples at this time. If so, include statement that amendment will be submitted when research with materials is initiated in the future. If this proposal is for ongoing work provide additional details in regards to the experiments.				
Final Action: modifications required				

PI: Chen, Yu-Chieh	**Reg.:** 11307	**Activity:** Initial BRF	**NIH:** III-D-2, 4; III-E-1	**BSL:** 1
Title: Elucidating the Principles of Neuronal Circuit Assembly in the Drosophila Visual System				
Overview: In vitro work and in vivo studies in Drosophila to determine how perturbation of specific genes influence specific parts and/or functions of the brain.				
Discussion: The IBC reviewed the procedures, containment level, facilities to be used, lab member training, containment procedures and work practices. Need description of downstream analysis, single-cell transcriptomics, and electron-microscopy connectomics. Don't need special immunizations. Need signatures on forms. Need EHRS biosafety inspection prior to initiation of work because this is a new lab.				
Final Action: modifications required				

PI: Yang, Xiaofeng	**Reg.:** 10994	**Activity:** Amendment	**NIH:** III-D-2, 3, 4	**BSL**: 2
Title: Endothelial Cell Inflammation, Regulatory T Cells, Cardiovascular and Tissue Inflammations, and Atherosclerosis				
Overview: Addition of AAV vectors for use in vivo overexpression and addition of personnel.				

Discussion: The IBC reviewed the procedures, containment level, facilities to be used, lab member training, containment procedures and work practices. Clarify titles of personnel and update training dates. Answer cage change question in SOP and add jugular injections. Add building/room number and signage needs to amendment form.
Final Action: modifications required

PI: Kang, Shin	**Reg.:** 11017	**Activity:** Amendment	**NIH:** III-D-4; III-E-1, 3	**BSL:** 1
Title: AAV-Mediated Gene Delivery for Neuron and Oligodendrocyte Modification				
Overview: Addition of AAV vectors for gRNA to perform knockdown studies.				
Discussion: The IBC reviewed the procedures, containment level, facilities to be used, lab member training, containment procedures and work practices. Clarify what is being done with the viruses- what they will combine with to do the testing. Clarify whether animal work will take place with this amendment.				
Final Action: modifications required				

PI: Liu-Chen, Lee-Yuan	**Reg.:** 11289	**Activity:** Amendment	**NIH:** III-D-1; III-E-1	**BSL:** 2
Title: In vitro and In vivo Characterization of Kappa Opioid Receptor				
Overview: Addition of 3 AAV s to protocol to stereotaxically inject in mouse brains for retrograde labelling.				
Discussion: The IBC reviewed the procedures, containment level, facilities to be used, lab member training, containment procedures and work practices.				
Final Action: approved				

PI: Schultz, Christopher	**Reg.:** 11265	**Activity:** Amendment	**NIH:** III-D-1, 3, 4; III-E-1	**BSL**: 2
Title: Targeting Novel Vulnerabilities to Treat Small Cell Lung Cancer				
Overview: Addition of in vivo study using small cell lung cancer and chemotherapy trials.				
Discussion: The IBC reviewed the procedures, containment level, facilities to be used, lab member training, containment procedures and work practices. Chemotherapy forms need information added for in vivo procedures. Rooms for in vivo work need to be added to BRF and SOPs. Specify whether signage is needed for rooms.				
Final Action: modifications required				

PI: Sajjan, Umadevi	**Reg.:** 11147	**Activity:** Amendment	**NIH:** III-D-1, 3, 7; III-E-1, 3	**BSL:** 2
Title: Innate Immunity of Airway Epithelium in COPD and CF				
Overview: In vivo exposure work with a BSL2 virus.				
Discussion: The IBC reviewed the procedures, containment level, facilities to be used, lab member training, containment procedures and work practices. The in vivo procedures need to be added to the BSL2 SOP.				
Final Action: modifications required				

PI: Giordano, Antonio	**Reg.:** 10939	**Activity:** Annual Renewal	**NIH:** N/A	**BSL:** 2
Title: Translational Implications of BAP1 Status in Patients with Malignant Pleural Mesothelioma (MPM)				

Overview: Add additional human tissue samples and biomarkers to protocol; remove one lab member.
Discussion: The IBC reviewed the procedures, containment level, facilities to be used, lab member training, containment procedures and work practices. Need to remove the departing lab member from the ECP.
Final Action: modifications required

IV. Old Business

None

V. New Business

None

VI. Adjournment

The motion to adjourn the meeting was approved unanimously; the meeting adjourned at 1:51 pm.

Respectfully submitted,

Krista Murray

Krista Murray
Institutional Biosafety Committee Assistant Director